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Specification of "Hilong 106" 3000 Ton Derrick and Pipelay Barge

No.	Name	Qty	Description
1.0	General:		
1.1	Flag		HONG KONG
1.2	Port of Registry		HONG KONG
1.3	Classification		ABS
1.4	Year Built		February, 2012
1.5	Shipyard		Shanghai Zhenhua Heavy Industry (ZPMC)
1.6	Length Overall		169 m
1.7	Breadth Moulded		46.00 m
1.8	Depth Moulded		13.5 m
1.9	Scantling Draft		9.00 m
1.10	Operating Draft		7.0-8.7 m
1.11	Pipelaying Water Depth		300 m
1.12	Gross Tonnage		40612 t
1.13	Net Tonnage		12183 t
1.14	Loaded Displacement		62000 t
1.15	Pipe store capacity		5000 t
1.16	Max Deck Loading		10 t/m ²
1.17	Fuel Oil Storage		4038 m ³
1.18	Fresh Water		2632 m ³
1.19	Ballast Water		34673 m ³
1.20	Berth		310 persons
1.21	Helideck		Dia. 22.2 m, Used to Sikorsky S61-N
2.0	Generator Sets:		
2.1	Main Generator Set:	4	4×3125 KVA
2.1.1	Diesel Engine		STX-MAN-B&W 8L27/38, 2640KW, 720rpm
2.1.2	AC Generator		HFJ7 718-14K 450V/4009.4A, 720rpm/60Hz
2.2	Emergency Generator Set:	1	1×315kw
2.2.1	Diesel Engine		CAT3406 345KW/1800rpm
2.2.2	AC Generator		315KW/440V/60Hz/1800rpm
3.0	Air Compressor:		
3.1	Compressor for Start	2	WP60, 3.0Mpa, 68m ³ /h
3.2	Compressor for Working	4	LGD-10/10-C, 1.0Mpa, 600m ³ /h
4.0	Fire Fighting & Lifesaving Equipment:		
4.1	Ring Buoy	18	
4.2	Life Jacket	325	
4.3	Life Raft	8	
4.4	Life Boat	4	4 × 70P
4.5	Fire Pump	2	RSV125-220A, 150m ³ /h@8.8bar, 3500rpm, 75kw
4.6	Foam Booster Pump for Helideck	1	RSV125-270A, 180m ³ /h@11bar, 3500rpm, 90kw

Specification of "Hilong 106" 3000 Ton Derrick and Pipelay Barge "

No.	Name	Qty	Description
5.0	3000 Ton Derrick Crane:		
5.1	Manufactureer		Shanghai Zhenhua Heavy Industry (ZPMC)
5.2	Wind Speed		< 16m/s
5.3	Main Hook (Fixed Type) Capacity	1	3000t@30m (outborad span 14.6m)
5.4	Main Hook (Rotary Type) Capacity	1	2000t@35m (outborad span 12.0m)
5.5	Aux. Hook Capacity	1	600t@60m (outborad span 37.0m)
5.6	Rigging Hook Capacity	2	50 t
6.0	Pipelaying Equipment:		
6.1	Pipe Diameter		4" to 60" (Inc.Coating)
6.2	Pipe Tensioner	2	Remacut 100t,30m/min
6.3	A/R Winch	1	Remacut 200t
6.4	Davit Crane	6	ZPMC, 50t, 300m
6.5	Pipe Handling Crane	1	40 t @ 35 m
6.6	Work Stations	9	5-Welding, 1-AUT, 1-Repair, 2 Field Coating
6.7	Automatic Welding Machine	5	SATURNAX 05, SERIMAX FRANCE
7.0	Stinger:		
7.1	Laying Pipeline Diameter		4" to 60" (Inc.Coating)
7.2	Stinger Length (2 sections)		76.6 m
7.3	Stinger Weight (2 sections)		347 t
7.4	A-Frame Weight		178 t
7.5	Brace Weight		50 t
7.6	Wire Rope Diameter		44 mm
7.7	Wire Rope Length		700 m
7.8	Stinger Winch:	2	45 t
7.8.1	Capacity of Wire Rope		700 m
7.8.2	Motor		90kw,1500rpm,440V/60Hz
8.0	Mooring Equipment:		
8.1	Anchor Winch:	2	≥360KN
8.1.1	Anchor	2	12.9T, Speke Anchor
8.1.2	Anchor Chain	2	AM3, Φ87mm, 715m
8.2	Position Mooring Winch:	12	
8.2.1	Capacity		110t (middle layer), 24m/min @ 110t
8.2.2	Position Anchor		12000kg, STEVPRIS
8.2.3	Position Anchor Wire Rope	12	Ø76mm×2500m
9.0	Accommodation Facilities:		
			HVAC, Boilers, Refrigerators, Fresh Water Makers, Oily Water Seperators, etc.
10.0	Navigation Equipment:		
			Radar, Gyro Compass, Echo Counder, Weather Facsimiler, GPS, Anemometer, VDR, etc.
11.0	Communication Equipment:		
			INMARSAT-F & C, INMARSAT Mini-M, Medium Wave Airplane, VHF Air Band Transceiver, VHF, etc.